

L Number	Hits	Search Text	DB	Time stamp
3	3060	antithrombin	USPAT; US-PGPUB	2004/02/13 11:03
4	24934	"positive charge"	USPAT; US-PGPUB	2004/02/13 11:03
5	123	antithrombin and "positive charge"	USPAT; US-PGPUB	2004/02/13 11:03
6	11	H-helix	USPAT; US-PGPUB	2004/02/13 11:03
7	1	H-helix and (antithrombin and "positive charge") and "positive charge"	USPAT; US-PGPUB	2004/02/13 11:04
8	3	antithrombin same "positive charge"	USPAT; US-PGPUB	2004/02/13 11:04
-	1997	modified and antithrombin	USPAT; US-PGPUB	2004/02/13 10:23
-	11	H-helix and "amino acid"	USPAT; US-PGPUB	2004/02/03 13:15
-	2	(H-helix and "amino acid") and (modified and antithrombin)	USPAT; US-PGPUB	2004/02/13 11:02
-	2	modified and antithrombin and "H-Helix"	USPAT; US-PGPUB	2004/02/03 13:32
-	250	protein adj modified.clm.	USPAT; US-PGPUB	2004/02/03 13:33
-	24934	"positive charge"	USPAT; US-PGPUB	2004/02/13 10:24
-	3060	antithrombin	USPAT; US-PGPUB	2004/02/13 10:25
-	11	H-helix	USPAT; US-PGPUB	2004/02/13 10:25

13/02/200410:51Print selected from Online session

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 09	CA/Caplus records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/Caplus
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/Caplus
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS EXPRESS			DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:37:46 ON 13 FEB 2004

=> index bioscience patents

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

FILE 'ENCOMPPAT' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.42	0.42

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 10:38:49 ON 13 FEB 2004

87 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> H-helix and antithrombin and (altered or modified or mutated) and "more postive"

16 FILES SEARCHED...

26 FILES SEARCHED...

41 FILES SEARCHED...

56 FILES SEARCHED...

68 FILES SEARCHED...

75 FILES SEARCHED...

83 FILES SEARCHED...

0 FILES HAVE ONE OR MORE ANSWERS, 87 FILES SEARCHED IN STNINDEX

L1 QUE H-HELIX AND ANTITHROMBIN AND (ALTERED OR MODIFIED OR MUTATED) AND "MORE POSTIVE"

=> H-helix and antithrombin and (altered or modified or mutated) and "more positive"

1 FILE BIOTECHABS

1 FILE BIOTECHDS

1 FILE CAPLUS

19 FILES SEARCHED...

16 FILE DGENE

32 FILES SEARCHED...

1 FILE IFIPAT

47 FILES SEARCHED...

4 FILE USPATFULL

65 FILES SEARCHED...

1 FILE WPIDS

1 FILE WPINDEX

73 FILES SEARCHED...

1 FILE INPADOC

83 FILES SEARCHED...

13/02/2004 10:51 Print selected from Online session

9 FILES HAVE ONE OR MORE ANSWERS, 87 FILES SEARCHED IN STNINDEX

L2 QUE H-HELIX AND ANTITHROMBIN AND (ALTERED OR MODIFIED OR MUTATED) AND "MORE POSITIVE"

=> d rank

F1	16	DGENE
F2	4	USPATFULL
F3	1	BIOTECHABS
F4	1	BIOTECHDS
F5	1	CAPLUS
F6	1	IFIPAT
F7	1	WPIDS
F8	1	WPINDEX
F9	1	INPADOC

=> file dgene

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.41	7.83

FULL ESTIMATED COST

FILE 'DGENE' ENTERED AT 10:46:32 ON 13 FEB 2004  
COPYRIGHT (C) 2004 THOMSON DERWENT

FILE LAST UPDATED: 2 FEB 2004 <20040202/UP>

DGENE CURRENTLY CONTAINS 4,953,745 BIOSEQUENCES

>>> NEW DISPLAY FIELDS LS AND LS2 (LEGAL STATUS DATA FROM  
THE INPADOC DATABASE) AVAILABLE IN DGENE - SEE NEWS <<<

>>> ONLINE THESAURUS AVAILABLE IN /PACO <<<

>>> DOWNLOAD THE DGENE WORKSHOP MANUAL:

[http://www.stn-international.de/training\\_center/bioseq/dgene\\_wm.pdf](http://www.stn-international.de/training_center/bioseq/dgene_wm.pdf)

>>> DOWNLOAD COMPLETE DGENE HELP AS PDF:

[http://www.stn-international.de/training\\_center/bioseq/dgene\\_help.pdf](http://www.stn-international.de/training_center/bioseq/dgene_help.pdf) <<<

>>> DOWNLOAD DGENE BLAST/GETSIM FREQUENTLY ASKED QUESTIONS:

<http://www.stn-international.de/service/faq/dgenefaq.pdf> <<<

=> H-helix and antithrombin and (altered or modified or mutated) and "more positive"

116754	H
19991	HELIX
10	HELIXES
2423	HELICES
20946	HELIX
	(HELIX OR HELIXES OR HELICES)
16	H-HELIX
	(H(W)HELIX)
648	ANTITHROMBIN
116281	ALTERED
150945	MODIFIED
29711	MUTATED
544101	"MORE"
39644	"POSITIVE"

1836 "POSITIVES"  
41359 "POSITIVE"  
("POSITIVE" OR "POSITIVES")  
31 "MORE POSITIVE"  
("MORE" (W) "POSITIVE")

L3 16 H-HELIX AND ANTITHROMBIN AND (ALTERED OR MODIFIED OR MUTATED)  
AND "MORE POSITIVE"

=> d ti 1-10

L3 ANSWER 1 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 2 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 3 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 4 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 5 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 6 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 7 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 8 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 9 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 10 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

=> d ti 11-16

L3 ANSWER 11 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 12 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 13 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 14 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin** -

L3 ANSWER 15 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**

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**antithrombin -**

L3 ANSWER 16 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
TI Amino acid sequence useful for inhibiting thrombin activity comprises  
**antithrombin** containing an **H-helix** having an  
amino acid **modified** to have a **more positive**  
charge than an **H-helix** of non-**modified**  
**antithrombin -**

=> file USpatfull

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.21

11.04

FILE 'USPATFULL' ENTERED AT 10:48:22 ON 13 FEB 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 12 Feb 2004 (20040212/PD)

FILE LAST UPDATED: 12 Feb 2004 (20040212/ED)

HIGHEST GRANTED PATENT NUMBER: US6691313

HIGHEST APPLICATION PUBLICATION NUMBER: US2004031078

CA INDEXING IS CURRENT THROUGH 12 Feb 2004 (20040212/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 12 Feb 2004 (20040212/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2003

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<  
>>> original, i.e., the earliest published granted patents or <<<  
>>> applications. USPAT2 contains full text of the latest US <<<  
>>> publications, starting in 2001, for the inventions covered in <<<  
>>> USPATFULL. A USPATFULL record contains not only the original <<<  
>>> published document but also a list of any subsequent <<<  
>>> publications. The publication number, patent kind code, and <<<  
>>> publication date for all the US publications for an invention <<<  
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<  
>>> records and may be searched in standard search fields, e.g., /PN, <<<  
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<  
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<  
>>> enter this cluster. <<<  
>>> <<<  
>>> Use USPATALL when searching terms such as patent assignees, <<<  
>>> classifications, or claims, that may potentially change from <<<  
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> H-helix and antithrombin and (altered or modified or mutated) and "more positive"

979145 H

42053 HELIX

1916 HELIXES

9456 HELICES

45901 HELIX

(HELIX OR HELIXES OR HELICES)

37 H-HELIX

```

                (H(W)HELIX)
                2749 ANTITHROMBIN
                157 ANTITHROMBINS
                2792 ANTITHROMBIN
                (ANTITHROMBIN OR ANTITHROMBINS)
199700 ALTERED
802480 MODIFIED
      9 MODIFIEDS
802482 MODIFIED
      (MODIFIED OR MODIFIEDS)
      24631 MUTATED
662253 "POSITIVE"
      10663 "POSITIVES"
663590 "MORE POSITIVE"
      ("POSITIVE" OR "POSITIVES")
L4          4 H-HELIX AND ANTITHROMBIN AND (ALTERED OR MODIFIED OR MUTATED)
              AND "MORE POSITIVE"

```

```

=> di ti 1-4
      235642 DI
      21900 DIS
      253047 DI
              (DI OR DIS)
      102079 TI
      3988 TIS
      105415 TI
              (TI OR TIS)
      3702549 1
      3646053 4
L5          0 DI TI 1-4
              (DI(W)TI(W)1(W)4)

```

```

=> H-helix and antithrombin and (altered or modified or mutated) and "more positive"
      979145 H
      42053 HELIX
      1916 HELIXES
      9456 HELICES
      45901 HELIX
              (HELIX OR HELIXES OR HELICES)
      37 H-HELIX
              (H(W)HELIX)
      2749 ANTITHROMBIN
      157 ANTITHROMBINS
      2792 ANTITHROMBIN
              (ANTITHROMBIN OR ANTITHROMBINS)
199700 ALTERED
802480 MODIFIED
      9 MODIFIEDS
802482 MODIFIED
      (MODIFIED OR MODIFIEDS)
      24631 MUTATED
662253 "POSITIVE"
      10663 "POSITIVES"
663590 "MORE POSITIVE"
      ("POSITIVE" OR "POSITIVES")
L6          4 H-HELIX AND ANTITHROMBIN AND (ALTERED OR MODIFIED OR MUTATED)
              AND "MORE POSITIVE"

```



=> d ti 1-4

L6 ANSWER 1 OF 4 USPATFULL on STN  
TI Therapeutic and cosmetic uses of heparanases

L6 ANSWER 2 OF 4 USPATFULL on STN  
TI Polynucleotide encoding a novel metalloprotease highly expressed in the testis, MMP-29

L6 ANSWER 3 OF 4 USPATFULL on STN  
TI Polynucleotide encoding a novel human serpin secreted from lymphoid cells, LSI-01

L6 ANSWER 4 OF 4 USPATFULL on STN  
TI **Antithrombin H-helix** mutants

=> d ab bib 1-3

L6 ANSWER 1 OF 4 USPATFULL on STN  
AB Methods and compositions for inducing and/or accelerating wound healing and/or angiogenesis via the catalytic activity of heparanase are disclosed.

AN 2003:231625 USPATFULL  
TI Therapeutic and cosmetic uses of heparanases  
IN Ilan, Neta, Rehovot, ISRAEL  
Vlodavsky, Israel, Mevaseret Zion, ISRAEL  
Yacoby-Zeevi, Oron, Moshav Bizaron, ISRAEL  
Pecker, Iris, Rishon LeZion, ISRAEL  
Feinstein, Elena, Rehovot, ISRAEL

PI US 2003161823 A1 20030828  
AI US 2003-341582 A1 20030114 (10)  
RLI Continuation-in-part of Ser. No. US 2001-988113, filed on 19 Nov 2001, PENDING Continuation of Ser. No. US 2001-776874, filed on 6 Feb 2001, PENDING Continuation of Ser. No. US 1999-258892, filed on 1 Mar 1999, ABANDONED Continuation-in-part of Ser. No. WO 1998-US17954, filed on 31 Aug 1998, PENDING Continuation-in-part of Ser. No. WO 2001-IL830, filed on 5 Sep 2001, UNKNOWN

DT Utility  
FS APPLICATION

LREP G.E. EHRLICH (1995) LTD., c/o ANTHONY CASTORINA, SUITE 207, 2001 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202

CLMN Number of Claims: 84  
ECL Exemplary Claim: 1  
DRWN 49 Drawing Page(s)  
LN.CNT 7437  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 4 USPATFULL on STN  
AB The present invention provides novel polynucleotides encoding MMP-29 polypeptides, fragments and homologues thereof. Also provided are vectors, host cells, antibodies, and recombinant and synthetic methods for producing said polypeptides. The invention further relates to diagnostic and therapeutic methods for applying these novel MMP-29 polypeptides to the diagnosis, treatment, and/or prevention of various diseases and/or disorders related to these polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of the polynucleotides and polypeptides of the present

invention.  
AN 2003:159408 USPATFULL  
TI Polynucleotide encoding a novel metalloprotease highly expressed in the  
testis, MMP-29  
IN Wu, Shujian, Langhorne, PA, UNITED STATES  
Chen, Jian, Princeton, NJ, UNITED STATES  
Feder, John N., Belle Mead, NJ, UNITED STATES  
Lee, Liana, North Brunswick, NJ, UNITED STATES  
Krystek, Stanley R., Ringoes, NJ, UNITED STATES  
PI US 2003109021 A1 20030612  
AI US 2002-133797 A1 20020426 (10)  
PRAI US 2001-286764P 20010426 (60)  
DT Utility  
FS APPLICATION  
LREP STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT DEPARTMENT, P O  
BOX 4000, PRINCETON, NJ, 08543-4000  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN 17 Drawing Page(s)  
LN.CNT 19916  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 4 USPATFULL on STN

AB The present invention provides novel polynucleotides encoding LSI-01  
polypeptides, fragments and homologues thereof. Also provided are  
vectors, host cells, antibodies, and recombinant and synthetic methods  
for producing said polypeptides. The invention further relates to  
diagnostic and therapeutic methods for applying these novel LSI-01  
polypeptides to the diagnosis, treatment, and/or prevention of various  
diseases and/or disorders related to these polypeptides. The invention  
further relates to screening methods for identifying agonists and  
antagonists of the polynucleotides and polypeptides of the present  
invention.

AN 2003:78525 USPATFULL  
TI Polynucleotide encoding a novel human serpin secreted from lymphoid  
cells, LSI-01  
IN Chen, Jian, Princeton, NJ, UNITED STATES  
Feder, John N., Belle Mead, NJ, UNITED STATES  
Nelson, Thomas, Lawrenceville, NJ, UNITED STATES  
Seiler, Steven, Pennington, NJ, UNITED STATES  
Bassolino, Donna A., Hamilton, NJ, UNITED STATES  
Cheney, Daniel L., Flemington, NJ, UNITED STATES  
Duclos, Franck, Washington Crossing, PA, UNITED STATES  
PI US 2003054445 A1 20030320  
AI US 2001-993180 A1 20011114 (9)  
PRAI US 2000-248434P 20001114 (60)  
US 2000-257610P 20001221 (60)  
US 2001-282745P 20010410 (60)  
DT Utility  
FS APPLICATION  
LREP STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT DEPARTMENT, P O  
BOX 4000, PRINCETON, NJ, 08543-4000  
CLMN Number of Claims: 52  
ECL Exemplary Claim: 1  
DRWN 8 Drawing Page(s)  
LN.CNT 14427  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.